

F Errors Corrected by the STIC & Items Branch

Serial Number: 09/215,212

REC-47
AUG 15 2000

TECH CENTER 1600/2300
ENTERED
H8/27

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

***Examiner:** The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

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RAW SEQUENCE LISTING

DATE: 08/10/2000

PATENT APPLICATION: US/09/215,212

TIME: 17:02:49

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08102000\I215212.raw

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1 <110> APPLICANT: TEPPER, Mark
2   CUNNINGHAM, Mark
3   SHERRIS, David
4   EL TAYAR, Nabil
5   MCKENNA, Sean
8 <120> TITLE OF INVENTION: IFNAR2/IFN COMPLEX
10 <130> FILE REFERENCE: TEPPER1A.SEQ
12 <140> CURRENT APPLICATION NUMBER: 09/215,212
13 <141> CURRENT FILING DATE: 1998-12-18
15 <150> PRIOR APPLICATION NUMBER: 60/068,295
16 <151> PRIOR FILING DATE: 1997-12-19
18 <160> NUMBER OF SEQ ID NOS: 15
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 5
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker
30 <400> SEQUENCE: 1
31 Gly Gly Gly Gly Ser
32   1               5
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 4
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Description of Artificial Sequence: Factor Xa cleavage
42   recognition signal
45 <400> SEQUENCE: 2
46 Ile Glu Glu Arg
47   1
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 33
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
56   sIFNAR2 linked by linker to N terminal human IFNbeta
58 <400> SEQUENCE: 3
59 Glu Ser Glu Phe Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
60   1               5               10               15
62 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Met Ser
63   20               25               30
65 Tyr
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 28

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RAW SEQUENCE LISTING DATE: 08/10/2000
 PATENT APPLICATION: US/09/215,212 TIME: 17:02:49

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 Output Set: N:\CRF3\08102000\I215212.raw

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70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
75     sIFNAR2 linked by linker to N terminal human IFNbeta
77 <400> SEQUENCE: 4
78 Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
79   1           5           10           15
81 Gly Gly Gly Ser Gly Gly Gly Gly Ser Met Ser Tyr
82           20           25
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 23
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
92     sIFNAR2 linked by linker to N terminal human IFNbeta
94 <400> SEQUENCE: 5
95 Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
96   1           5           10           15
98 Gly Gly Gly Ser Met Ser Tyr
99           20
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 18
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
109     sIFNAR2 linked by linker to N terminal human IFNbeta
111 <400> SEQUENCE: 6
112 Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Met
113   1           5           10           15
115 Ser Tyr
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 13
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
125     sIFNAR2 linked by linker to N terminal human IFNbeta
127 <400> SEQUENCE: 7
128 Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Met Ser Tyr
129   1           5           10
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 36
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human

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PATENT APPLICATION: US/09/215,212

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Input Set : A:\Pto.amc

Output Set: N:\CRF3\08102000\I215212.raw

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139      SIFNAR2 linked by hCG-CTP.linker to N terminal human IFNbeta
142 <400> SEQUENCE: 8
143 Glu Ser Glu Phe Ser Ser Ser Ser Ser Lys Ala Pro Pro Pro Ser Leu
144   1              5              10              15
146 Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile Leu Pro
147   20              25              30
149 Gln Met Ser Tyr
150   35
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 23
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
160      SIFNAR2 linked by linker to N terminal human IFNbeta
162 <400> SEQUENCE: 9
163 Glu Ser Glu Phe Ser Glu Phe Met Glu Phe Met Glu Phe Met Glu Phe
164   1              5              10              15
166 Met Glu Phe Met Met Ser Tyr
167   20
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 20
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
177      SIFNAR2 linked by linker to N terminal human IFNbeta
180 <400> SEQUENCE: 10
181 Glu Ser Glu Phe Ser Glu Phe Met Glu Phe Met Glu Phe Met Glu Phe
182   1              5              10              15
184 Met Met Ser Tyr
185   20
188 <210> SEQ ID NO: 11
189 <211> LENGTH: 17
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
195      SIFNAR2 linked by linker to N terminal human IFNbeta
197 <400> SEQUENCE: 11
198 Glu Ser Glu Phe Ser Glu Phe Met Glu Phe Met Glu Phe Met Met Ser
199   1              5              10              15
201 Tyr
205 <210> SEQ ID NO: 12
206 <211> LENGTH: 21
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human

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212      sIFNAR2 linked by linker to N terminal human IFNbeta
214 <400> SEQUENCE: 12
215 Glu Ser Glu Phe Ser Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln
216 1          5          10          15
218 Phe Met Met Ser Tyr
219          20
222 <210> SEQ ID NO: 13
223 <211> LENGTH: 34
224 <212> TYPE: PRT
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
229      sIFNAR2 linked by linker to N terminal human IFNbeta
232 <400> SEQUENCE: 13
233 Glu Ser Glu Phe Ser Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln
234 1          5          10          15
236 Phe Met Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln Phe Met Met
237          20          25          30
239 Ser Tyr
242 <210> SEQ ID NO: 14
243 <211> LENGTH: 415
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Human sIFNAR2 linked by
249      linker to human IFNbeta
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Residues 1-29, signal sequence; 30-239, human IFNAR2; 240-249,
253      2X Gly4Ser linker; 250-415, human IFNbeta
255 <400> SEQUENCE: 14
256 Met Leu Leu Ser Gln Asn Ala Phe Ile Val Arg Ser Leu Asn Leu Val
257 1          5          10          15
259 Leu Met Val Tyr Ile Ser Leu Val Phe Gly Ile Ser Tyr Asp Ser Pro
260          20          25          30
262 Asp Tyr Thr Asp Glu Ser Cys Thr Phe Lys Ile Ser Leu Arg Asn Phe
263          35          40          45
265 Arg Ser Ile Leu Ser Trp Glu Leu Lys Asn His Ser Ile Val Pro Thr
266          50          55          60
268 His Tyr Thr Leu Leu Tyr Thr Ile Met Ser Lys Pro Glu Asp Leu Lys
269          65          70          75          80
271 Val Val Lys Asn Cys Ala Asn Thr Thr Arg Ser Phe Cys Asp Leu Thr
272          85          90          95
274 Asp Glu Trp Arg Ser Thr His Glu Ala Tyr Val Thr Val Leu Glu Gly
275          100         105         110
277 Phe Ser Gly Asn Thr Thr Leu Phe Ser Cys Ser His Asn Phe Trp Leu
278          115         120         125
280 Ala Ile Asp Met Ser Phe Glu Pro Pro Glu Phe Glu Ile Val Gly Phe
281          130         135         140
283 Thr Asn His Ile Asn Val Met Val Lys Phe Pro Ser Ile Val Glu Glu

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RAW SEQUENCE LISTING

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284 145          150          155          160
286 Glu Leu Gln Phe Asp Leu Ser Leu Val Ile Glu Glu Gln Ser Glu Gly
287          165          170          175
289 Ile Val Lys Lys His Lys Pro Glu Ile Lys Gly Asn Met Ser Gly Asn
290          180          185          190
292 Phe Thr Tyr Ile Ile Asp Lys Leu Ile Pro Asn Thr Asn Tyr Cys Val
293          195          200          205
295 Ser Val Tyr Leu Glu His Ser Asp Glu Gln Ala Val Ile Lys Ser Pro
296          210          215          220
298 Leu Lys Cys Thr Leu Leu Pro Pro Gly Gln Glu Ser Glu Phe Ser Gly
299 225          230          235          240
301 Gly Gly Gly Ser Gly Gly Gly Ser Met Ser Tyr Asn Leu Leu Gly
302          245          250          255
304 Phe Leu Gln Arg Ser Ser Asn Phe Gln Cys Gln Lys Leu Leu Trp Gln
305          260          265          270
307 Leu Asn Gly Arg Leu Glu Tyr Cys Leu Lys Asp Arg Met Asn Phe Asp
308          275          280          285
310 Ile Pro Glu Glu Ile Lys Gln Leu Gln Gln Phe Gln Lys Glu Asp Ala
311          290          295          300
313 Ala Leu Thr Ile Tyr Glu Met Leu Gln Asn Ile Phe Ala Ile Phe Arg
314 305          310          315          320
316 Gln Asp Ser Ser Ser Thr Gly Trp Asn Glu Thr Ile Val Glu Asn Leu
317          325          330          335
319 Leu Ala Asn Val Tyr His Gln Ile Asn His Leu Lys Thr Val Leu Glu
320          340          345          350
322 Glu Lys Leu Glu Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser
323          355          360          365
325 Leu His Leu Lys Arg Tyr Tyr Gly Arg Ile Leu His Tyr Leu Lys Ala
326          370          375          380
328 Lys Glu Tyr Ser His Cys Ala Trp Thr Ile Val Arg Val Glu Ile Leu
329 385          390          395          400
331 Arg Asn Phe Tyr Phe Ile Asn Arg Leu Thr Gly Tyr Leu Arg Asn
332          405          410          415
335 <210> SEQ ID NO: 15
336 <211> LENGTH: 8
337 <212> TYPE: PRT
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Description of Artificial Sequence: C terminal human
342      sIFNAR2 directly connected to N terminal human IFNbeta
344 <400> SEQUENCE: 15
345 Glu Ser Glu Phe Ser Met Ser Tyr
346 1          5

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VERIFICATION SUMMARY DATE: 08/10/2000
PATENT APPLICATION: US/09/215,212 TIME: 17:02:50

Input Set : A:\Pto.amc
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